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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Examiner: Unknown

Group Art Unit No.: 1756

Applicant(s): Frank L. Hall

Filing date: May 21, 2001

Serial No.: 09/863,676

For (title): METHODS FOR PREPARING BALL GRID ARRAY
SUBSTRATES VIA USE OF A LASER



COMMUNICATION TRANSMITTAL

Commissioner for Patents
Washington, D.C. 20231

Sir:

Enclosed for filing in connection with the above-identified patent application, and submitted in the order listed, are:

- ☒ Postcard receipt acknowledgment (attached to the front of this transmittal).
☒ Duplicate copy of this transmittal sheet in the event that additional filing fees are required under 37 C.F.R. § 1.16. Any such fees may be charged to deposit account no. 20-1469.
☐ Check no. in the amount of \$ for the presentation of extra claims as calculated in the remarks section below.
☒ Preliminary amendment.
☒ Amendment or other communication in response to the non-final office action mailed.
☐ Amendment or other communication under 37 C.F.R. § 1.116 in response to the final office action mailed.
☐ Petition for Extension of Time in duplicate with check no. in the amount of \$.
☐ Verified statement(s) to establish small entity status under 37 C.F.R. § 1.9 and 37 C.F.R. § 1.27 signed by (or on behalf of).
☐ Information disclosure statement and information disclosure citation form PTO-1449 with copies of listed documents.
☒ Letter to Chief Draftsman and copy of FIGS. 4 and 5 with changes made in red.

Remarks:

- ☐ An amendment has been made involving one or more claims in the application. The calculation to determine whether any additional fee is due is presented below.

	1	2	3		\$EXTRA
Total claims	23	-	23	=	0 x 18.00 =
Indep. claims	5	-	5	=	0 x 78.00 =
First presentation of a multiple dep. claim (+260.00)					
SUBTOTAL					
Reduction for small entity - 50% of subtotal*					
TOTAL ADDITIONAL FEE (subtotal minus any reduction)					0.00

* Verified statement(s) must be attached to support this reduction if small entity status has not been previously established.

- 1 Claims remaining after amendment.
2 Highest number of claims previously paid for. Not less than 20 for total claims and 3 for independent claims.
3 Difference between claims remaining and highest number previously paid for. If less than zero, enter "0."

- ☒ The commissioner is authorized to charge any additional fees required but not submitted with any document or request requiring fee payment under 37 C.F.R. §§ 1.16 and 1.17 to deposit account no. 20-1469 during the entire pendency of this application.

Respectfully submitted,

James R. Duzan

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Date: August 9, 2001
Enclosures: As identified above
JRD/djp





PATENT *AF*

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Frank L. Hall

Serial No.: 09/863,676

Filed: May 21, 2001

For: METHODS FOR PREPARING BALL
GRID ARRAY SUBSTRATES VIA USE OF
A LASER

Examiner: Unknown

Group Art Unit: Unknown

Attorney Docket No.: 4718US (00-0316)

CERTIFICATE OF MAILING

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August 9, 2001
Date of Deposit

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Signature of registered practitioner or other person having reasonable basis to expect mailing to occur on date of deposit shown pursuant to 37 C.F.R. § 1.8(a)(1)(ii)

Deidra Pfeil
Typed/printed name of person whose signature is contained above

LETTER TO THE CHIEF DRAFTSMAN

Box Non Fee Amendment
Commissioner for Patents
Washington, D.C. 20231

Sir:

Applicant submits herewith revised FIGS. 4 and 5 which correct errors in the drawings. Specifically, FIG. 4 has been revised to change reference numeral 60 to 160 with appropriate lead line; and FIG. 5 has been revised to change reference numeral 10 to 110 with appropriate lead line and to add reference numeral 32. Attached is a copy of the drawings with the proposed changes marked in red.

Serial No.: 09/863,676

No new matter has been added. Approval of the proposed revisions is respectfully requested.



Respectfully submitted,

James R. Duzan

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Date: August 9, 2001

JRD/dn

Enclosures: Drawings with changes marked in red